University of Mumbai

Department of Students' Development

Rules and Regulations
For
Inter-Collegiate / Institute / Department
Avishkar Research Convention

Create, Sustain and Prosper………

Avishkar Research Convention

Introduction

The frontiers of education are changing every day. We are moving from the knowledge based society to a society of innovation and thus research becomes one of the most important components of higher education. Today, one of the indices for the measurement of the potential of any educational institution is its research activity. All stakeholders namely students, teachers and other entities in the higher educational institutes should be enthused to engage themselves in research at various levels.

It is essential to unveil the unknown and unexplored areas of knowledge in all fields of academic enquiry. Due to the increasing requisite of interdisciplinary approach, no discipline goes untouched from the research activity. Keeping in view the new challenges, the then, His Excellency, the Governor of Maharashtra and the Chancellor of the Universities in the State of Maharashtra, Hon'ble Shri. S.M. Krishna had initiated Avishkar Research Convention in the academic year 2007-2008.

The convention is designed with the intention to develop a research culture and scientific temper among the students, scholars and teachers from under-graduate to doctoral level in the state of Maharashtra.

The activity will also help to develop skill, review new dimensions of explored areas of knowledge as well as the unexplored areas of enquiry.

The University of Mumbai has a long tradition of 160 years with more than 750 colleges and over 7 lakh students studying in various departments, institutions and affiliated colleges. It shall be the collective responsibility of all of us to sensitize the students and teachers about the convention and build confidence among them to venture into research.

Objectives

- To identify the hidden innovative scientific talents and capacities of students.
- To provide opportunities for inculcating research attitude in the students and teachers.
- To create academically sound youth by developing knowledge, skill and attitude of research.
- To promote aptitude with emphasis on high standards of research and development activities for the benefit of students and teachers.
- To explore the active student centred paradigm of education.
- To open new channels of scholarly research between faculty and students.
- To excel active learning standards of research.
- To develop personality and communication skills among the students.
- To produce a research scholars commensurate with the need of future.
- To promote the interaction among the students for the exchange of various aspects of research by organizing collegiate and inter-collegiate research activities.
- To encourage the students to participate in research activities at inter-collegiate, district, university and state levels.
- To felicitate and recognize students' achievements by offering awards and honours.
- To provide financial assistance in the form of fellowship /scholarship to the selected researchers and teachers for innovative research development.

Committee for Formulation of Rules and Regulations for Inter-Collegiate / Institute / Department Research Convention

Dr. Anil Patil	Director, B.C.U.D.	Chairman
Dr. Siddhivinayak Barve	O.S.D., Avishkar Research Convention	Member
Dr. Mrudul Nile	Associate Professor, Department of Civics and Politics, University of Mumbai	Member
Dr. (Mrs.) Minakshi Gurav	Assistant Professor, Department of Zoology, D.G. Ruparel College, Matunga	Member
Dr. Rajesh Patil	Associate of Professor, Department of Microbiology, Bhavan's College, Andheri	Member
Dr. K. George Abraham	Associate of Professor, Department of Chemistry, S.I.E.S. College, Sion	Member
Dr. Vijaykumar Pawar	Professor Department of Electronics and Telecommunication, A.C. Patil College of Engineering, Kharghar	Member
Dr. Sunil Patil	Director, Students' Welfare	Member Secretary

Rules and Regulations

1. Categories and Levels

Students of the University are allowed to participate in any of the following category / discipline irrespective of their own discipline / course.

Categories / Disciplines

Category 1: Humanities, Languages and Fine Arts
Category 2: Commerce, Management and Law
Category 3: Pure Sciences
Category 4: Agriculture and Animal Husbandry
Category 5: Engineering and Technology
Category 6: Medicine and Pharmacy
The students can participate in above disciplines in the following level where fit eligible.

Levels

Level 1: Undergraduate Students (UG)
Level 2: Postgraduate Students (PG)
Level 3: Post PG Students (PPG)
Level 4: In-service Teachers (TH)

2. Areas Covered under each Category

Category 1: Humanities, Languages and Fine Arts
It covers research areas like languages, social sciences, fine arts, education, humanities and other related fields which are of social interest like agricultural extension, preventive medicine and veterinary sciences, etc.

Category 2: Commerce, Management and Law
It covers research areas like commerce, accountancy, management, law and other fields where these disciplines are applicable.

Category 3: Pure Sciences
It covers areas like all basic sciences, soil sciences, home sciences and other fields like biotechnology, microbiology, environmental sciences, life sciences, biochemistry, biophysics, bioanalytical, etc.

Category 4: Agriculture and Animal Husbandry

It covers areas like horticulture, agriculture, agronomy, entomology, fisheries, animal husbandry and other fields like biotechnology, microbiology, biophysics, biochemistry, bioanalytical chemistry, etc. where agricultural and animal husbandry aspects are covered.

Category 5: Engineering and Technology

It covers all branches of engineering and technology. It also includes computer science, information technology, agricultural engineering, food technology, dairy technology, biophysics, biomedical and biosensor, etc. where engineering and technology aspects are covered.

Category 6: Medicine and Pharmacy

It covers all branches of medicine and pharmacy. It also includes veterinary medicine, preventive medicine, epidemiology, clinical studies, etc.

3. **The General Eligibility Criteria for Participation**

- The student must be full time bonafide student enrolled under University of Mumbai for UG / PG / M.Phil. / Ph.D. programme or any diploma course of a minimum duration of one academic year.
- Students enrolled in correspondence course in Recognized Institute / Centres or Departments of University of Mumbai **are not eligible.**
- Casual students, external students and students pursuing only bridge course from University of Mumbai and Colleges / Institutes affiliated to University of Mumbai **are not eligible.**
- Students having provisional admission **are not eligible**.
- Student can represent only that College / Recognized Institute / Department of University of Mumbai from where he / she is pursuing his / her degree / diploma.
- Student should have valid identity card of the College / Recognized Institute / Department of University of Mumbai from where he / she is pursuing his / her degree / diploma.
- Student migrating from other University can participate only when his / her admission is regularized and he / she gets admitted as bonafide student.
- Students can present their research project in group with maximum number of students not exceeding five. However, at State level **only one student from the group** will represent the University of Mumbai.
- **Student from any discipline can participate in any category to which their research project fits.**
- Student can present their research project work in English or Marathi or Hindi language.

- Any disqualification of participant from the given criteria may result in removal of the contingent from the Avishkar Research Convention and the candidate also will be debarred from participating in the Avishkar Research Convention to be held in the following years.
- Ethics of research must be delicately observed by students and his / her mentor.

4. Eligibility Criteria for Categories and Levels

The rules for each level are as follows

Undergraduate Students (UG)

a) Student pursuing any bachelor degree or diploma (of duration not less than one academic year) after their 12th class examination and enrolled under University of Mumbai is eligible.

b) The age of the student should not be more than **25 years** as on 28th February of the academic year in which competition is being held.

Post-Graduate Students (PG)

a) Student pursuing any master degree or post graduate diploma (of duration not less than one academic year) after their degree examination and enrolled under University of Mumbai is eligible.

b) The age of the student should not be more than **30 years** as on 28th February of the academic year in which competition is being held.

Post PG Students (PPG)

a) Student acquired post graduate degree / diploma and pursuing / duly registered for M.Phil. / Ph.D. / D.Sc. / D.Litt. degree under University of Mumbai is eligible.

b) Student pursuing Post-doctoral Research under University of Mumbai is also eligible.

c) Student who has submitted their synopsis / thesis for his / her M.Phil. / Ph.D. degree and his / her viva-voce examination is awaited is also eligible.

d) Student who has successfully completed his / her viva-voce examination for his / her M.Phil. / Ph.D. Degree is not eligible.

e) There is **no age limit** for the Post PG students.

Teachers (TH)

a) Teacher must be an approved teacher of University of Mumbai.

b) Teacher must be pursuing his / her M.Phil. / Ph.D. degree and must be registered under University of Mumbai.

c) Teacher who has submitted his / her synopsis / thesis for his / her M.Phil. / Ph.D. degree and his / her viva-voce examination is awaited is also eligible.

d) Teacher who has successfully completed his / her viva-voce examination for his / her M.Phil. / Ph.D. degree is not eligible.

e) There is **no age limit** for the teacher.

5. Mode of Convention / Competition

Avishkar Research Convention is conducted at various levels.

Intra-Collegiate / Institute / Department Level

- Each college can depute maximum 48 research projects for the Zonal / District Level not exceeding more than 6 research projects in each level per category.

- Each college should conduct Intra-collegiate / Institute / Department Avishkar Research Convention to select best 48 research projects. The research projects are expected to be evaluated and mentored by the reputed personnel of the respective research fields.

- The research projects should be short listed on the basis of the poster and / or model presentation. The short listed research projects should be evaluated based on power point presentation.

- The time for poster / model presentation is 3 minutes and the time of discussion will vary according to the judges' choice. But the maximum time of discussion is 7 minutes.

- The time for power point presentation is not more than 10 (8 + 2) minutes, which will be followed by discussion. However the time of discussion will vary according to the judges' choice. But the maximum time of discussion is 5 minutes.

- Use of fireworks, arms at the venue of competition / convention is strictly prohibited. However, if it is unavoidable for an exhibit, its imitation may be used with the prior permission of Principal.

- The selected research projects should be refined by the experts before deputation to the Zonal / District Level.

- If number of entries of research projects exceeds 48 by the mistake of the College / Recognized Institute / Department of University of Mumbai then right of cancellation of specified entries will be reserved with Director, Students' Welfare. Such cancelled entries of research projects should not be considered for declaration of merit at Zonal / District / University Avishkar Research Convention as well as Category-wise Championship Trophies / University Overall Runner Championship Trophy / University Overall Championship Trophy.

Zonal / District Level

- The Inter-collegiate Zonal / District Level Avishkar Research Convention will be conducted on behalf of University in different Zones / Districts as declared by University of Mumbai. The Zones / Districts will be declared by Director, Students' Welfare, University of Mumbai in consultation with Director, B.C.U.D. and Advisory Committee, Avishkar Research Convention in the beginning of the academic year.

- The Zonal / District Level Avishkar Research Convention will be conducted according to the time table declared by Director, Students' Welfare in consultation with Director, B.C.U.D. and Organizing Committee, Avishkar Research Convention of the academic year.

- The student must present his / her project in the respective Zone / District.
- Student shall be given chance to present their research project 'Out of Turn' in another Zone / District if he / she fails to present it in the respective Zone / District due to his / her appearance / participation in University Examination / activity. In such case the student should take prior permission of the Director, Students' Welfare through his / her Principal / Director / Head of University Department. However, if such project is selected for University (Inter-Zonal / Inter-District) Avishkar Research Convention, then for declaration of Zonal / District Championship the same project will be considered in a Zone / District where the college of the student is located and it will not consider in a Zone / District where the student is participated.
- The research projects should be short listed on the basis of the poster and / or model presentation. The short listed research projects should be evaluated based on power point presentation.
- The time for poster / model presentation is 3 minutes and the time of discussion will vary according to the judges' choice. But the maximum time of discussion is 7 minutes.
- The time for power point presentation is not more than 10 (8 + 2) minutes, which will be followed by discussion. However the time of discussion will vary according to the judges' choice. But the maximum time of discussion is 5 minutes.
- Use of fireworks, arms at the venue is strictly prohibited. However, if it is unavoidable for an exhibit, its imitation may be used with the prior permission of Director, Students' Welfare, OSD, Avishkar Research Convention / Principal of the organizing college.
- The best research projects from each category and level will be selected for the University Avishkar Research Convention.

University (Inter-Zonal / Inter-District) Level
- The University (Inter-Zonal / Inter-District) Avishkar Research Convention will be conducted according to the time table declared by Director, Students' Welfare in consultation with Director, B.C.U.D. and Organizing Committee, Avishkar Research Convention.
- The best research projects selected from the Zonal / District Level Avishkar Research Conventions will participate in University Avishkar Research Convention.
- The research projects should be short listed on the basis of the poster and / or model presentation. The short listed research projects should be evaluated based on power point presentation.
- The time for poster / model presentation is 3 minutes and the time of discussion will vary according to the judges' choice. But the maximum time of discussion is 7 minutes.
- The time for power point presentation is not more than 10 (8 + 2) minutes, which will be followed by discussion. However the time of discussion will vary according to the judges' choice. But the maximum time of discussion is 5 minutes.

- Use of fireworks, arms at the venue is strictly prohibited. However, if it is unavoidable for an exhibit, its imitation may be used with the prior permission of Director, Students' Welfare, OSD, Avishkar Research Convention / Principal of the organizing college.
- The best research projects will be given ranks based on the merit.
- First two winning research projects from each level per category will be given chance to participate in State Inter-University Avishkar Research Convention. In case the winning team/s withdraws their participation under unavoidable circumstances / valid reason, then the chance will be given to the next team/s in the order of merit. The University reserves rights of replacing research project/s to be deputed for State Level if necessary, however, the merit / rank of such project/s declared at Zonal / District / University Avishkar Research Convention will remain the same and counted for District Championship Trophy / Category-wise Championship Trophies / University Overall Runner Championship Trophy / University Overall Championship Trophy.
- In case in a particular category / level there is no found entry / suitable entry, the University reserves its right to send any other entry to State Inter-University Avishkar Research Convention in consultation with experts and approval from Director, B.C.U.D. and Director, Students' Welfare.

State Level
- University deputes in all 48 research projects (entries) comprising 6 categories and 4 levels with maximum 2 research projects (entries) in each level to Inter-University State Avishkar Research Convention.
- Only two students per category per level will be the contingent of University team.
- University reserves the rights to select the student from the team of the research project to be the contingent of the University team.
- The contingent must follow the guidelines given by Director, Students' Welfare /OSD, Avishkar Research Convention / Team Managers / Staff of Department of Students' Welfare, University of Mumbai time to time.
- It is obligatory for the contingent to make themselves available for the workshops, grooming sessions and rehearsals and State Inter-University Avishkar Research Convention, failing which their prizes won at the Zonal / District / University Research Convention may be cancelled and his / her performance at the convention / competition may be considered as null and void. Such student and his / her college will also be liable for appropriate disciplinary action as decided by University authorities.
- At state level also, the research projects will be short listed on the basis of the poster / model presentation. The short listed research projects will be evaluated based on power point presentation. The time for poster and / or model presentation is 3 minutes and the time of discussion will vary according to the judges' choice. The time for power point presentation is not more than 10 (8 + 2) minutes, which will be followed by discussion. However the time of discussion will vary according to the judges' choice.

6. Guidelines for Participating Colleges

Teacher Co-ordinator

- Every participating College / Recognized Institute / Department of University must appoint one teacher as a 'Teacher Co-ordinator' to conduct the activities of Avishkar Research Convention.

- He / she shall maintain a liaison between the Director of Students' Welfare, OSD, Avishkar Research Convention, Organizing Committee constituted by University and participant of his / her College / Research Institute / Department of University.

- He / she is expected to attend the meeting/s as and when called by Department of Students' Welfare as well as accompany students at the time of Zonal / District / University Avishkar Research Convention.

- The details of the Teacher Co-ordinator must be communicated to the Department of Students' Welfare as per given proforma in **Annexure 1** on or before 31st June of every academic year.

- Teacher Co-ordinator should perform the assigned duties on various committees constituted by University time to time for the conduct of Avishkar Research Convention at different levels.

- Teacher Co-ordinator should conduct various programmes / activities to increase participation in the convention and enhance research skill among the students in consultation with Principal / Director / Head under Avishkar Research Convention.

Student Co-ordinator

- Every participating College / Recognized Institute / Department of University must appoint two 'Student Co-ordinators' (one boy and one girl) who are bonafide students of the said affiliated College / Recognized Institute / Department of the University.

- The College / Recognized Institute / Department of University where co-education is not available should depute two Student Co-ordinators of the same gender.

- The Student Co-ordinator is expected to assist the Teacher Co-ordinator of his / her College / Recognized Institute / Department of the University for Smooth Conduct of various activities related to Avishkar Research Convention.

- He / she is expected to attend the meeting/s as and when called by Department of Students' Welfare as well as accompany other participating students at the time of Zonal / District / University Avishkar Research Convention whenever necessary.

- He / she should work as a volunteer for Zonal / District University Avishkar Research Convention.

- The details of the Student Co-ordinator must be communicated to the Department of Students' Welfare as per given proforma in **Annexure 2** on or before 31st June of every academic year.

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- Student Co-ordinator should perform the assigned duties on various committees constituted by University time to time for the conduct of Avishkar Research Convention at different levels.
- Student Co-ordinator should assist to Teacher Co-ordinator for conduct of various programmes / activities to increase participation in research convention.

Entry Fees

- The entry fees for various categories / levels shall be declared at the beginning of the academic year by Department of Students' Welfare, University of Mumbai in consultation with Director, B.C.U.D. and Advisory Committee for Avishkar Research Convention of the academic year.
- The fee is to be paid by DD / cheque along with Consolidated Entry Form (**Annexure 3**).
- The DD / Cheque for the consolidated entry fees should be drawn in favour of 'Finance and Accounts Officer, University of Mumbai'.
- DD / Cheque and Consolidated Entry Form are to be sent to Director, Students' Welfare, Vidyapeeth Vidyarthi Bhavan, 1st floor, B Road, Churchgate, Mumbai, PIN-400020.
- The DD / Cheque should reach on above address on or before the last date announced from time to time by the Director, Students' Welfare, University of Mumbai.
- Each college can depute only 48 research projects for the Zonal / District Level Avishkar Research Convention not exceeding more than 6 projects in each level per category.
- If the college pays consolidated entry fees for less than 48 projects and further wishes to increase the number (not exceeding 48), they can do so by another same Consolidated Entry Form along with DD / cheque for the additional projects with the permission of Director, Students' Welfare, University of Mumbai.
- The fees will not be refunded under any circumstances even though the entries are cancelled.

Entry Forms

- There are two types of entry forms, Consolidated Entry Form (See **Annexure 3**) and Project Entry Form (See **Annexure 4**).
- Principal / Director / Head of the College / Recognized Institute / Department of University should submit Consolidated Entry Form **(**As given in **Annexure 3)** along with entry fees 10 days before the commencement of Zone / District Avishkar Research Convention to Director, Students' Welfare, Vidyapeeth Vidyarthi Bhavan, 1st floor, B Road, Churchgate, Mumbai, PIN-400020.
- Principal / Director / Head of the College / Recognized Institute / Department of University should submit Project Entry Form **(**As given in **Annexure 4)** separately for each research project at the time of registration of the candidates for convention / competition along with the abstract.

Undertaking by Students and Responsibility Certificate by the Parent/s of Participating Students

- Each College / Recognized Institute / Department of University should take Undertaking of the candidate and Responsibility Certificate by their parent/s as per **Annexure 5** and endorsed it by the Principal / Director / Head for participation in Zonal / District / University / State Avishkar Research Convention and produce it whenever necessary to the Director, Students' Welfare / OSD, Avishkar Research Convention / University Authorities.

Consolidated List of the Participants

- Each College / Recognized Institute / Department of University should submit the list (in two copies) of the participants as per the **Annexure 6** at the time of registration of the candidates for convention / competition.

7. Guidelines for the Preparation of Abstract

- Submit the abstract of each research project separately with code number (given at the time of registration) along with concern Project Entry Form on the day of competition. Do not write name of the participant or the college on the abstract.
- See **Annexure 7** for preparation of the abstract.
- The abstract should be unstructured without any subtitles. It should introduce the topic, research methodology and results, etc. References should not be included in the abstract. The maximum length of the abstract should be 200 words.
- The title of the research project must have suitable title not more than 2 lines in Bold Times New Roman / Devnagari / Shivaji font with size 12 and 1 line spacing.
- Prepare abstract in MS word, Times New Roman / Devnagari / Shivaji font with size 12 and 1.5 line spacing on A4 paper size.

8. Guidelines for the Preparation of Poster

- The poster with code number (given at the time of registration) must be displayed in the place allotted immediately after the registration. Do not write name of the participant or the college on the poster.
- Poster must be 1m X 1m size printed on normal flex / or any suitable type of paper.
- The research material must be properly organized on poster and the text must be minimum and font size must be legible from the distance at least 1m.
- The layout of the poster is given in **Annexure 8**.

9. Guidelines for the Construction of Model

- The model with code number (given at the time of registration) must be displayed in the place allotted immediately after the registration. Do not write name of the participant or the college on the model.

- The model may be working or non-working. Do not use thermocol for preparation of non-working model. It is advised to use non-polluting or environment friendly materials for preparation of non-working model. More weightage is to be given for working model.
- Use of fireworks / arms during model presentation is strictly prohibited. However, if it is unavoidable for an exhibit, its imitation may be used with the prior permission of Director, Students' Welfare, OSD, Avishkar Research Convention / Principal of the organizing college.
- Communicate the additional facilities (table, chair, electricity points, etc.) required for the display of the model to the organizing college and Department of Students' Welfare a week prior to the convention / competition.

10. Guidelines for Preparation of Power Point Presentation

- The power point presentation can be made by using any tool but the supporting file must be carried by the presenter.
- It can be made either in English or Deonagari. Use universal font/s to avoid delays during presentation. In case of Deonagari, carry the fonts in your pen drive.
- Keep your pen drive virus free. Possibly save only one folder containing the important files of related to your research project in your pen drive to avoid delays.
- Use minimum text on the slide/s.
- Make presentation using suitable pictures / diagrams / graphs / tables, etc.
- Keep the slides limited so as to finish presentation within 7 minutes.
- The title of research project should be mentioned on the first slide and the remaining expected matter on first slide is given in **Annexure 9**.
- Do not mention name of the participant or the college on any of the slides.
- Introduce yourself only with code number (To be given at the time of registration) and do not reveal the identity or name of the college during the presentation.

11. Guidelines for Organizing College

- The organizing college should make the following arrangements for Zonal / District / University Level Avishkar Research Convention in discussion with District / Zonal Co-ordinators / OSD, Avishkar Research Convention / Director, Students' Welfare.
  - Registration desk/s.
  - Specified area for the display of the posters / models
  - 7 rooms with the facility of LCD projector for oral presentation
  - 1 room for University Officials
  - 1 room from jury members
- 1m X 1m area must be allotted to each poster and mark it with code numbers.
- Special provision (if required) should be made for display of model.
- The code numbers should be given to the participant or research project and each participant will be identified by the code number only.

- The code number will be given to the participants in the following way-
  Zone or District number / Category no. / Level / Serial number
  - Code No. for Zone / District:
    Mumbai-1, Mumbai Suburb-2, Thane-3, Palghar-4, Raigad-5, Ratnagiri-6, Sindhudurg-7
  - Code No. for Category:
    Humanities, Languages and Fine Arts-1, Commerce, Management and Law-2, Pure Sciences-3, Agriculture and Animal Husbandry-4, Engineering and Technology-5, Medicine and Pharmacy-6
  - Code No. for Level:
    UG-1, Commerce, PG-2, PPG-3, Teacher (TH)-4
  - Code No. for Serial Number:
    01, 02, 03, 04,……..

    e.g. Code number of the participant is 32105
    (Here, first figure stands for Zone / District, second figure stands for Category, third figure stands for Level and forth and fifth figure stands for serial number of the candidate)
    Thus, the given code number 32105 stands for- Thane Zone / Commerce, Management and Law Category / UG Level / 05 Serial Number

    Similarly,
    The code number 25408 stands for- Mumbai Suburb Zone / Engineering and Technology Category / Teacher Level / 08 Serial Number

- The organizing college should prepare the Report of Zonal / District / Inter-Zonal / Inter-District Avishkar Research Convention in discussion with Zonal / District Co-ordinator / OSD, Avishkar Research Convention as per **Annexure 10A or Annexure 10B** and submit it to Director, Students' Welfare, Vidyapeeth Vidyarthi Bhavan, 1st floor, B Rad, Churchgate, Mumbai, PIN-400020.

12. Awards / Honors and Scholarships

- **Zonal / District Level**
  Certificate of Participation
  Every participant of the Zonal / District Avishkar Research Convention will get the Certificate of Participation from the University.

  Certificate of Merit
  Every participant whose research projects are qualified for University Avishkar Research Convention will get the Certificate of Merit from the University.

Department of Students' Development, University of Mumbai

- **Zonal / District Championship Trophy**
  Rotating Zonal / District Championship Trophy and Certificate will be given to the college whose maximum research projects are qualified for University Avishkar Research Convention. If the student of one Zone / District participates in another Zone / District 'out of turn' under certain circumstances, still his / her merit will be considered for the same Zone / District to which he / she belongs.

- **University Level**

  Certificate of Participation
  Every participant of the University Avishkar Research Convention shall get the Certificate of Participation from the University.

  Certificate of Merit
  Every participant whose research projects are secured merit at University Avishkar Research Convention shall get the Certificate of Merit from the University.

  Category-wise Championship Trophies
  Rotating Category-wise Championship Trophy and Certificate shall be given to the College / Recognized Institute / Department of the University scoring maximum points in a particular category.
  The calculation of the points shall be done on the basis of 3 points for First Rank, 2 points for Second Rank and 1 point for Third Rank.

  Overall Championship Trophy
  Rotating Overall Championship Trophy and Certificate shall be given to the college which scores maximum points at University Avishkar Research Convention.
  The calculation of the points shall be done on the basis of 3 points for First Rank, 2 points for Second Rank and 1 point for Third Rank.

  Overall Runner Championship Trophy
  Rotating Overall Runner Championship Trophy and Certificate shall be given to the college which scores second best maximum points at University Avishkar Research Convention.
  The calculation of the points shall be done on the basis of 3 points for First Rank, 2 points for Second Rank and 1 point for Third Rank.

  Ten Grace Marks
  All the participants of the First Rank, Second Rank and Third Rank from every level of each category shall be awarded with ten grace marks as per University Ordinance 0.229 after completion of the necessary formalities by the Examination Cell of the College / Recognized Institute / Department of the University / University of Mumbai.

- **State Level**

Certificate of Participation

Every participant of the State Inter-University Avishkar Research Convention shall get the Certificate of Participation from the host University on behalf of Chancellor's Office.

Certificate of Merit

Every participant whose research projects are secured merit at State Inter-University Avishkar Research Convention shall get the Certificate of Merit from the host University on behalf of Chancellor's Office.

Cash Prizes

The gold medalist (First Rank) of the State Inter-University Avishkar Research Convention gets Rs. 5000/- and silver medalist (Second Rank) gets Rs. 3000/- per level per category as per the rules and regulations set by the Advisory Committee of Chancellor's Office.

Category-wise Championship Trophies

Category-wise championship shall be given to the University scoring maximum points in a particular category.

Overall Championship Trophy

Overall Championship Trophy shall be given to the University which scores maximum points.

Overall Runner Championship Trophy

Overall Runner Championship Trophy shall be given to the University which scores second best maximum points.

Fellowships / Scholarships

The winner of the state competition at UG and PG Level gets scholarship of Rs. 3000/- per month for 10 months for promotion of his / her research project further.

The winner of the state competition at PPG Level gets scholarship of Rs. 6000/- per month for 24 months for promotion of his / her research project further.

University of Mumbai
Department of Students' Welfare
Avishkar Research Convention

Details of Teacher Co-ordinator

Name of the College / Recognized Institute / Department	:	

To,
The Director, Students' Welfare,
University of Mumbai,
Vidyapeeth Vidyarthi Bhavan,
'B' Road, Churchgate,
Mumbai-400 020

Subject: Information of 'Teacher Co-ordinator' Nominated for Avishkar Research Convention

Dear Sir,

With reference to above mentioned subject, I am glad to communicate you the information of 'Teacher Co-ordinator' nominated for conduct of different activities related to Avishkar Research Convention for your kind information and further processing.

Name of the Teacher	:	
Name of the College / Recognized Institute / Department	:	
Residential Address	:	
Telephone No.	:	
Mobile No.	:	
Whatsapp No.	:	
email	:	

With Regards,

Place:
Date:

(Seal of the College / Recognized Institute / Department)

(Sign of the Principal / Director / Head with Seal)

Department of Students' Development, University of Mumbai

University of Mumbai
Department of Students' Welfare

Avishkar Research Convention

Details of Student Co-ordinators

Name of the College / Recognized Institute / Department	:	

To,
The Director, Students' Welfare,
University of Mumbai,
Vidyapeeth Vidyarthi Bhavan,
'B' Road, Churchgate,
Mumbai-400 020

Subject: Information of 'Student Co-ordinators' Nominated for Avishkar Research Convention

Dear Sir,

With reference to above mentioned subject, I am glad to communicate you the information of 'Student Co-ordinators' nominated for conduct of different activities related to Avishkar Research Convention for your kind information and further processing.

Particulars	Student Co-ordinator 1	Student Co-ordinator 2
Name of the Student		
Gender		
Name of the College / Recognized Institute / Department		
Residential Address		
Telephone No.		
Mobile No.		
Whatsapp No.		
email		
Date of Birth		
Completed Age on 28th February		
Class, Division and Roll No.		

With Regards,

Place:
Date:

(Seal of the College / Recognized Institute / Department)

(Sign of the Principal / Director / Head with Seal)

Department of Students' Development, University of Mumbai

University of Mumbai

Department of Students' Welfare

Avishkar Research Convention

Consolidated Entry Form

Details of College, Principal, Teacher Co-ordinator and Zone

Name of the College / Recognized Institute / Department	:	
Address of the College / Recognized Institute / Department	:	
Telephone No/s of the College / Recognized Institute / Department	:	
email of the College / Recognized Institute / Department	:	

Name of the Principal / Director / Head	:	
Mobile No. of the Principal / Director / Head	:	
Whatsapp No. of the Principal / Director / Head	:	
email of the Principal / Director / Head	:	

Name of the Teacher Co-ordinator	:	
Mobile No. of the Teacher Co-ordinator	:	
Whatsapp No. of the Teacher Co-ordinator	:	
email of the Teacher Co-ordinator	:	

Name of the Zone / District	:	

----- Page 1 ----

Department of Students' Development, University of Mumbai

Details of Entries

Category No.	Title of Category	Level	No. of Research Projects	Total No. of Participants	Entry Fees per Research Project	Amount
1	Humanities, Languages and Fine Arts	UG			50	
		PG			50	
		PPG			50	
		TH			50	
2	Commerce, Management and Law	UG			50	
		PG			50	
		PPG			50	
		TH			50	
3	Pure Sciences	UG			50	
		PG			50	
		PPG			50	
		TH			50	
4	Agriculture and Animal Husbandry	UG			50	
		PG			50	
		PPG			50	
		TH			50	
5	Engineering and Technology	UG			50	
		PG			50	
		PPG			50	
		TH			50	
6	Medicine and Pharmacy	UG			50	
		PG			50	
		PPG			50	
		TH			50	
Grand Total					--	

With Regards,

Place:

Date:

(Seal of the College / Recognized Institute / Department)

(Sign of the Principal / Director / Head with Seal)

----- Page 2 ----

University of Mumbai
Department of Students' Welfare

Avishkar Research Convention

Project Entry Form

Details of the College / Zone / District / Centre

Name of the College / Recognized Institute / Department	:	
Address of the College / Recognized Institute / Department	:	
Telephone No/s of the College / Recognized Institute / Department	:	
email of the College / Recognized Institute / Department	:	
Name of the Zone / District	:	
Name of the Centre (Where the Convention is Scheduled)		

Details of the Research Project

Category	:	
Level	:	
Title of the Research Project	:	

Details of the Presenter

Full Name of the Student	:	
Gender	:	
Residential Address	:	
Telephone No.	:	
Mobile No.	:	
Whatsapp No.	:	
email	:	
Date of Birth	:	
Completed Age on 28th February	:	
Class, Division and Roll No.	:	

----- Page 1 ----

Department of Students' Development, University of Mumbai

20

Details of the Other Team Members

Sr. No.	Name of the Other Participant	Date of Birth	Gender	Class and Division	Roll No.	Mobile No.
1						
2						
3						
4						

Details of the Research Guide

Name of the Research Guide	:	
Designation	:	
Mobile No. of the Research Guide	:	
email of the Research Guide	:	

I certify that the information given in this form is correct and all the participating students concerned with the Research Project are eligible as per the rules and regulations of Avishkar Research Convention to participate in the same convention.

With Regards,

Place:

Date:

(Seal of the College / Recognized Institute / Department)

(Sign of the Principal / Director / Head with Seal)

----- Page 2 ----

Department of Students' Development, University of Mumbai

Undertaking by the Participating Student

I, undertake to state that, in consideration of my being nominated at my request to participate in Avishkar Research Convention at _____ University / College from _____ to _____ at my own risk.

I undertake and agree that, neither I nor my parent / executor / administrator will make any claim against any Officer / Member of the University / College / Institute / Department in respect of any loss or injury to the property or person (including injury resulting in death), which may suffer while participating in Avishkar Research Convention.

I, further to state that I shall abide all rules and regulations of Avishkar Research convention and shall be liable for strict disciplinary action for violation of the same.

Date: Signature of the Student

Responsibility Certificate

I agree as a responsible person that my Son / Daughter / Ward is being allowed to participate in the above mentioned Avishkar Research convention to be held at _____ University / College from _____ to _____ at my own risk. If any accident or death occurs during this Convention, I or any of my relation of legal heir will not demand any claim from State Govt. / University / Institute / Department on account of my Son / Daughter / Ward being a part of this Convention.

Date: Signature of the Parent

Endorsed by Principal,

Place:

Date:

(Seal of the College / Recognized Institute / Department)

(Sign of the Principal / Director / Head with Seal)

Department of Students' Development, University of Mumbai

University of Mumbai
Department of Students' Welfare

Avishkar Research Convention

Consolidated List of Participants

Name of the College / Recognized Institute / Department :

Project / Sr. No.	Name of the Student	Class and Roll No.	Category and Level	Title of the Research Project	Name of the Guide
01					
02					
03					
04					
….					
…..					

I hereby certify that the above mentioned students have participated in the Zonal/District/University Level Avishkar Research Convention held at_____ _____on _____ organized by University of Mumbai.

Date:

Director,
Students' Welfare
University of Mumbai

Department of Students' Development, University of Mumbai

Code No.

Inter-University Avishkar Research Convention: 2016-2017

Category **Level**

Title

Abstract

Keywords

<----------- 1 meter ----------->

Code No.:

Inter-University Avishkar Research Convention: 2016-2017

Category: Level:

1 meter

Inter-University Avishkar Research Convention: 2016-2017

Category: Level:

Report on Zonal / District Avishkar Research Convention

- **Details of Organizing College and Zone**

Date of the Convention	
Zone	
Name of the Organizing College	
Address of the Organizing College	
Contact Nos. of the Organizing College	
Email of the Organizing College	
Name of the Principal	
Mobile No. of the Principal	
Name of the Teacher Co-ordinator	
Mobile No. of the Teacher Co-ordinator	
Name of the District Co-ordinator	
Mobile No. of the District Co-ordinator	

- **Details of Inaugural Ceremony**

Name of Chief Guest with Designation	
Name of President with Designation	
Name/s of Other Dignitaries with Designation	

- **Details of Certificate Distribution Ceremony**

Name of Chief Guest with Designation	
Name of President with Designation	
Name/s of Other Dignitaries with Designation	

- **Details of Participation (Research Project-wise)**

Sr. No.	Categories	No. of Research Projects Presented				Total No. of Research Projects Presented
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

Department of Students' Development, University of Mumbai

- **Details of Participation (Student-wise)**

Sr. No.	Categories	No. of Students Presented their Research Projects				Total No. of Students Presented their Research Projects
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

- **Details of Research Projects Selected for Inter-Zonal / Inter-District Avishkar Research Convention**

Sr. No.	Categories	No. of Research Projects Selected				Total No. of Research Projects Selected
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

- **Details of Students Selected for Inter-Zonal / Inter-District Avishkar Research Convention**

Sr. No.	Categories	No. of Students whose Research Projects are Selected				Total No. Research Students
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

District Co-ordinator   (Seal of the College)   **Principal**
Avishkar Research Convention   **Organizing College**

Place:
Date: /   / 201

Department of Students' Development, University of Mumbai

28

Report on Inter-Zonal / Inter-District
Avishkar Research Convention

- **Details of Organizing College / Co-ordinators**

Date of the Convention	
Name of the Organizing College	
Address of the Organizing College	
Contact Nos. of the Organizing College	
Email of the Organizing College	
Name of the Principal	
Mobile No. of the Principal	
Name of the Teacher Co-ordinator	
Mobile No. of the Teacher Co-ordinator	
Name of the Co-ordinator	
Mobile No. of the Co-ordinator	

- **Details of Inaugural Ceremony**

Name of Chief Guest with Designation	
Name of President with Designation	
Name/s of Other Dignitaries with Designation	

- **Details of Certificate Distribution Ceremony**

Name of Chief Guest with Designation	
Name of President with Designation	
Name/s of Other Dignitaries with Designation	

- **Details of Participation (Research Project-wise)**

Sr. No.	Categories	No. of Research Projects Presented				Total No. of Research Projects Presented
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

Department of Students' Development, University of Mumbai

- **Details of Participation (Student-wise)**

Sr. No.	Categories	No. of Students Presented their Research Projects				Total No. of Students Presented their Research Projects
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

- **Details of Research Projects Selected for State Inter-University Avishkar Research Convention**

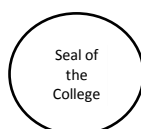| Sr. No.	Categories	No. of Research Projects Selected				Total No. of Research Projects Selected
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

- **Details of Students Selected for State Inter-University Avishkar Research Convention**

Sr. No.	Categories	No. of Students whose Research Projects are Selected				Total No. Research Students
		UG	PG	PPG	TH	
1	Humanities, Languages and Fine Arts					
2	Commerce, Management and Law					
3	Pure Sciences					
4	Agriculture and Animal Husbandry					
5	Engineering and Technology					
6	Medicine and Pharmacy					
	Grand Total					

Co-ordinator **OSD** **Principal**
Avishkar Research Convention **Avishkar Research Convention** **Organizing College**

Seal of the College

Place:
Date: /   / 201

Department of Students' Development, University of Mumbai